


Xtext Standalone Application Beginner Tutorial

Tutorial from http://www.eclipse.org/forums/index.php/mv/msg/369157/901104/#msg_901104.

 [Re: Xtext standalone application beginner tutorial](#) [message #901104 is a reply to [message #900859](#)]

Thu, 09 August 2012 15:43 

 [Alfredo Motta](#)

Messages: 30 **Member**

Registered: June 2012

Thank you Christian, I was able to solve the problem and this is the guide step by step for the next one interested

- 1- Create your sample grammar in Xtext with the 5 minute tutorial (Cattura.png)
- 2- Create a run configuration for the project (Cattura1.png)
- 3- Export the project as a runnable jar in the lib folder of your standalone project (Cattura2.png+Cattura3.png)
- 4- I got warnings and incomprehensible stuffs, but it works even with them (Cattura4.png)
- 5- Add the jar to your standalone project (Cattura5.png)
- 6- Run with the code from the XText FAQ and check your greeting

Code: [[Select all](#)] [[Show/ hide](#)]

```
new org.eclipse.emf.mwe.utils.StandaloneSetup().setPlatformUri("../");
Injector injector = new MyDslStandaloneSetup().createInjectorAndDoEMFRegistration();
XtextResourceSet resourceSet = injector.getInstance(XtextResourceSet.class);
resourceSet.addLoadOption(XtextResource.OPTION_RESOLVE_ALL, Boolean.TRUE);

Resource resource = resourceSet.createResource(URI.createURI("file:/example.mydsl"));
InputStream in = new ByteArrayInputStream("Hello World".getBytes());
resource.load(in, resourceSet.getLoadOptions());
Model model = (Model) resource.getContents().get(0);

for(Greeting e:model.getGreetings()){
    System.out.println(e);
}
```

IMPORTANT: The extension in this line

Code: [[Select all](#)] [[Show/ hide](#)]

```
Resource resource = resourceSet.createResource(URI.createURI("file:/example.mydsl"));
```

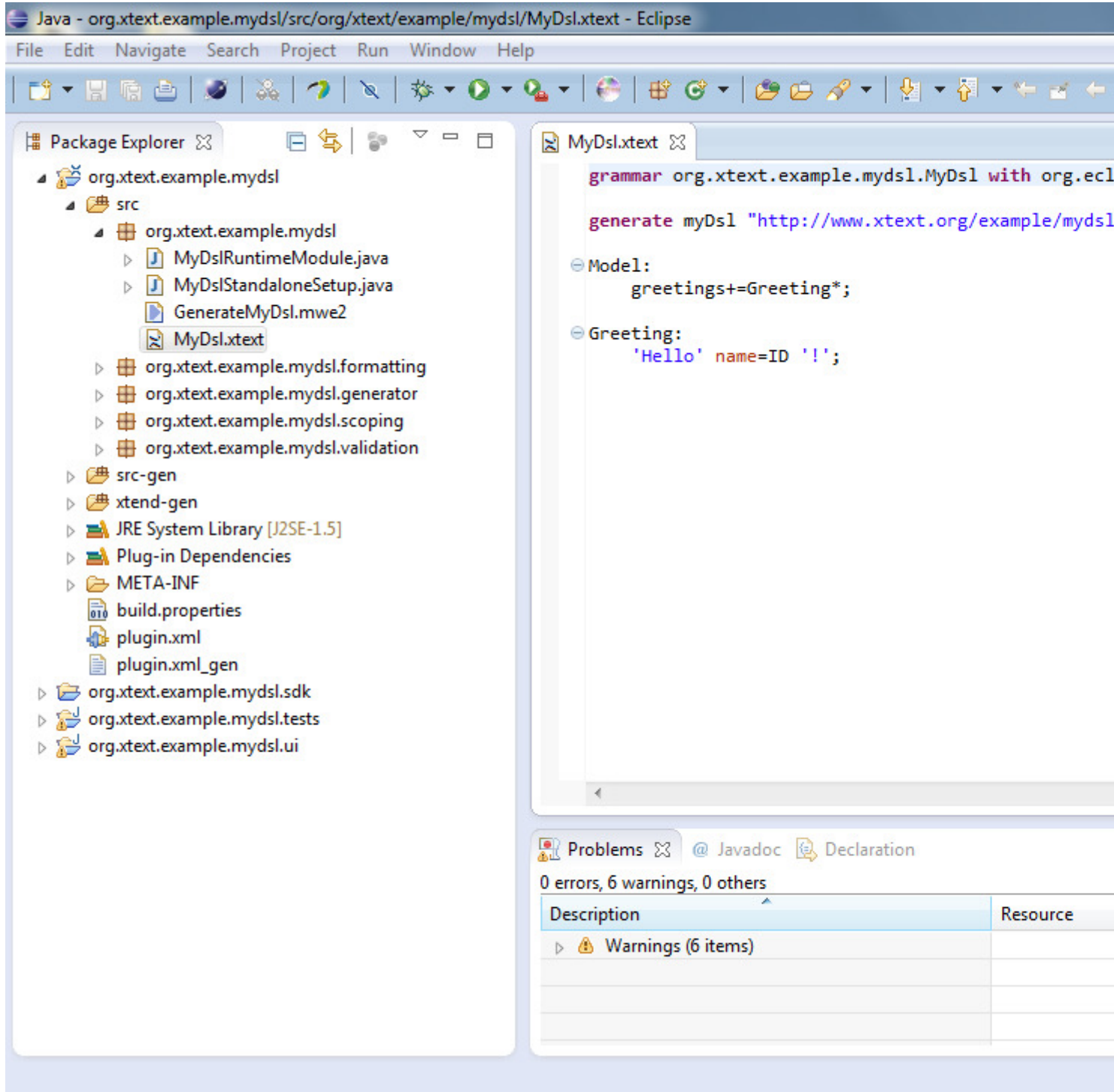
should be the same of the mwe2 workflow in the grammar project

Code: [[Select all](#)] [[Show/ hide](#)]

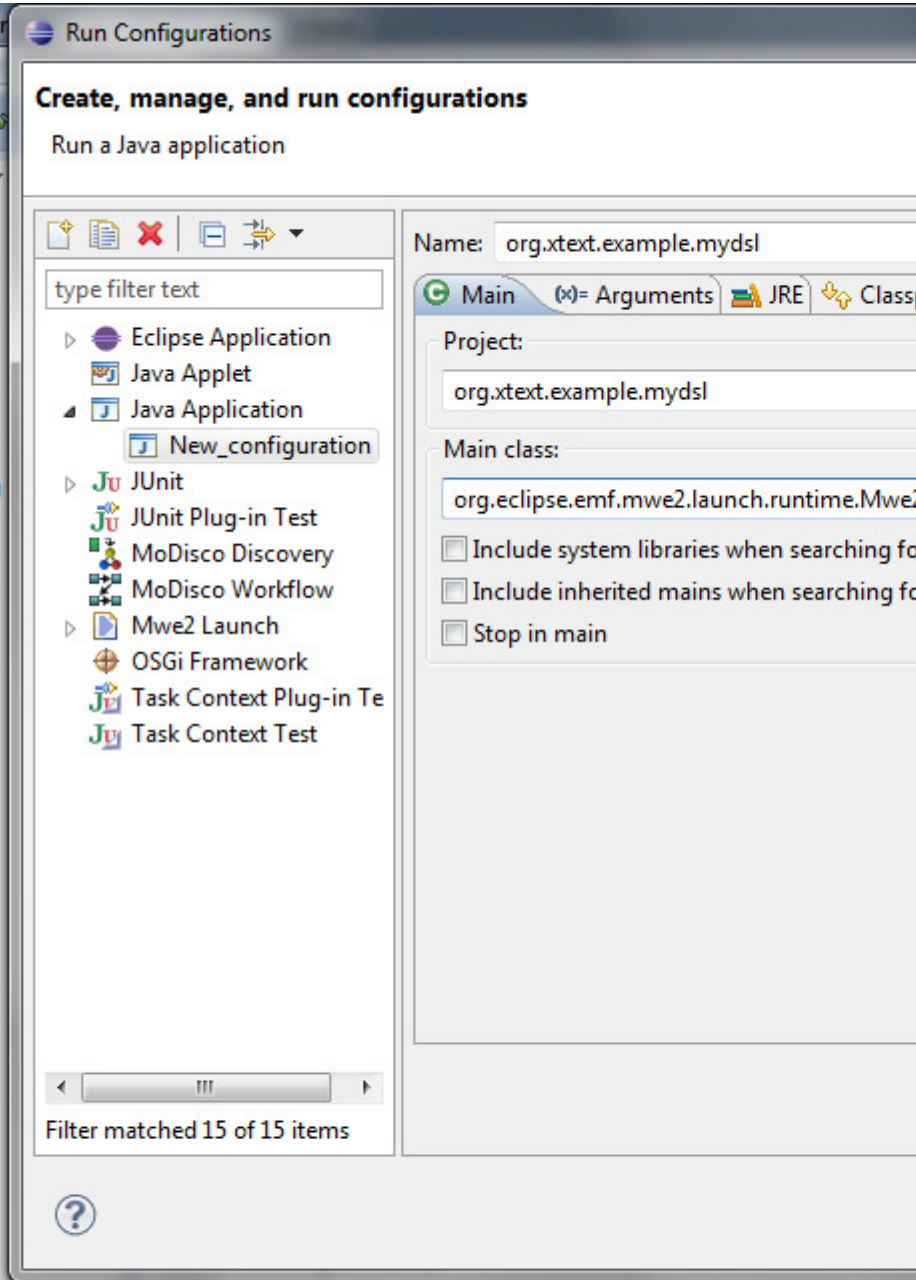
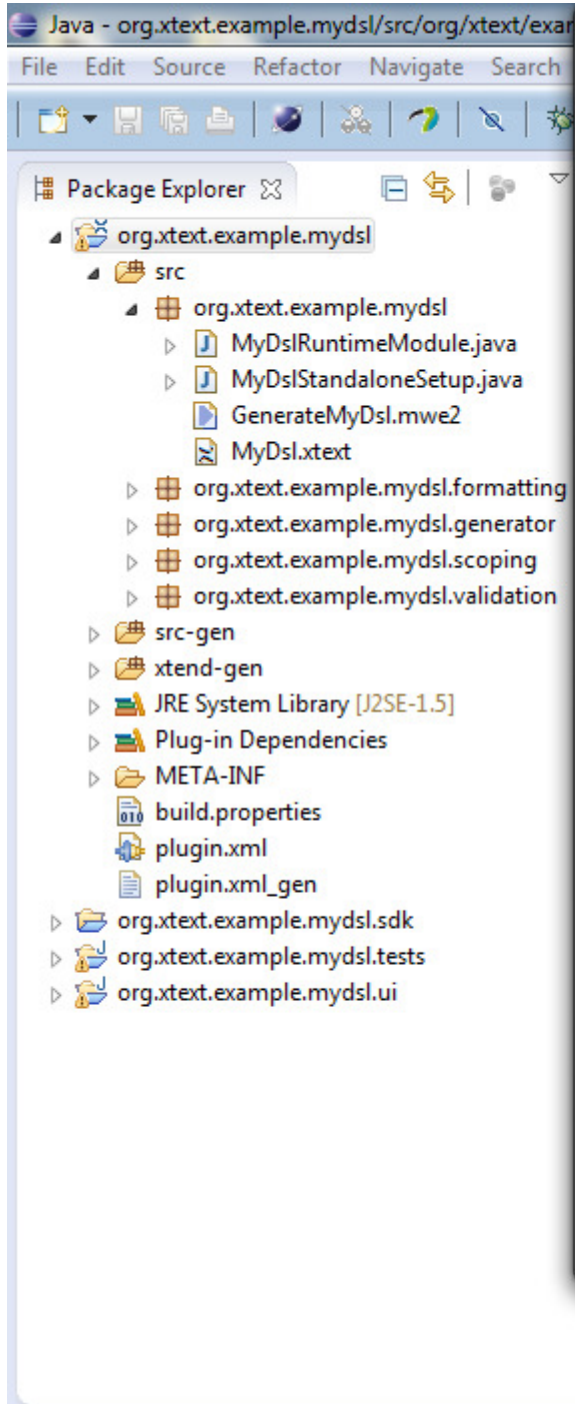
```
var file.extensions = "mydsl"
```

Cheers

Cattura.png:

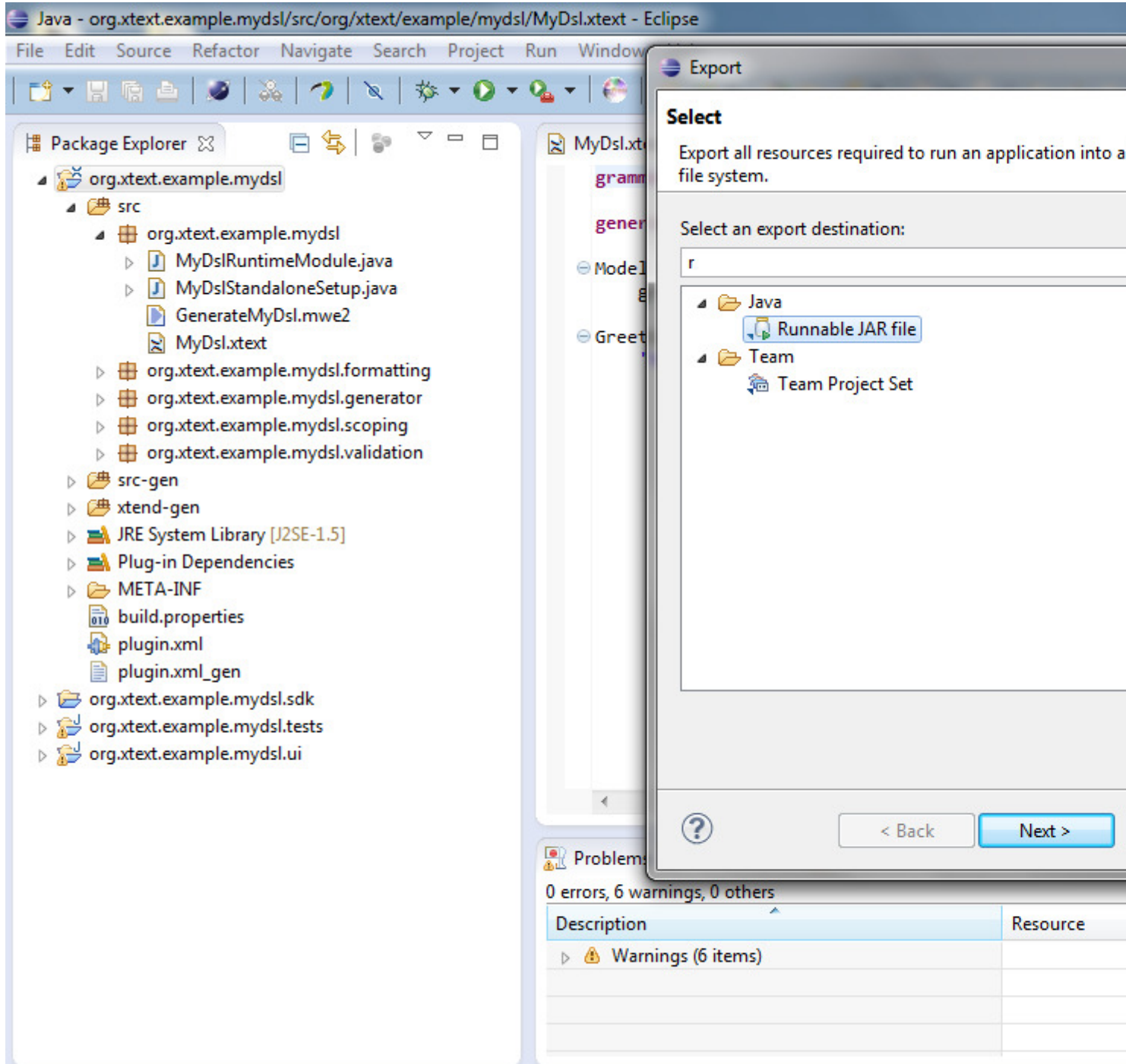


Cattura1.png



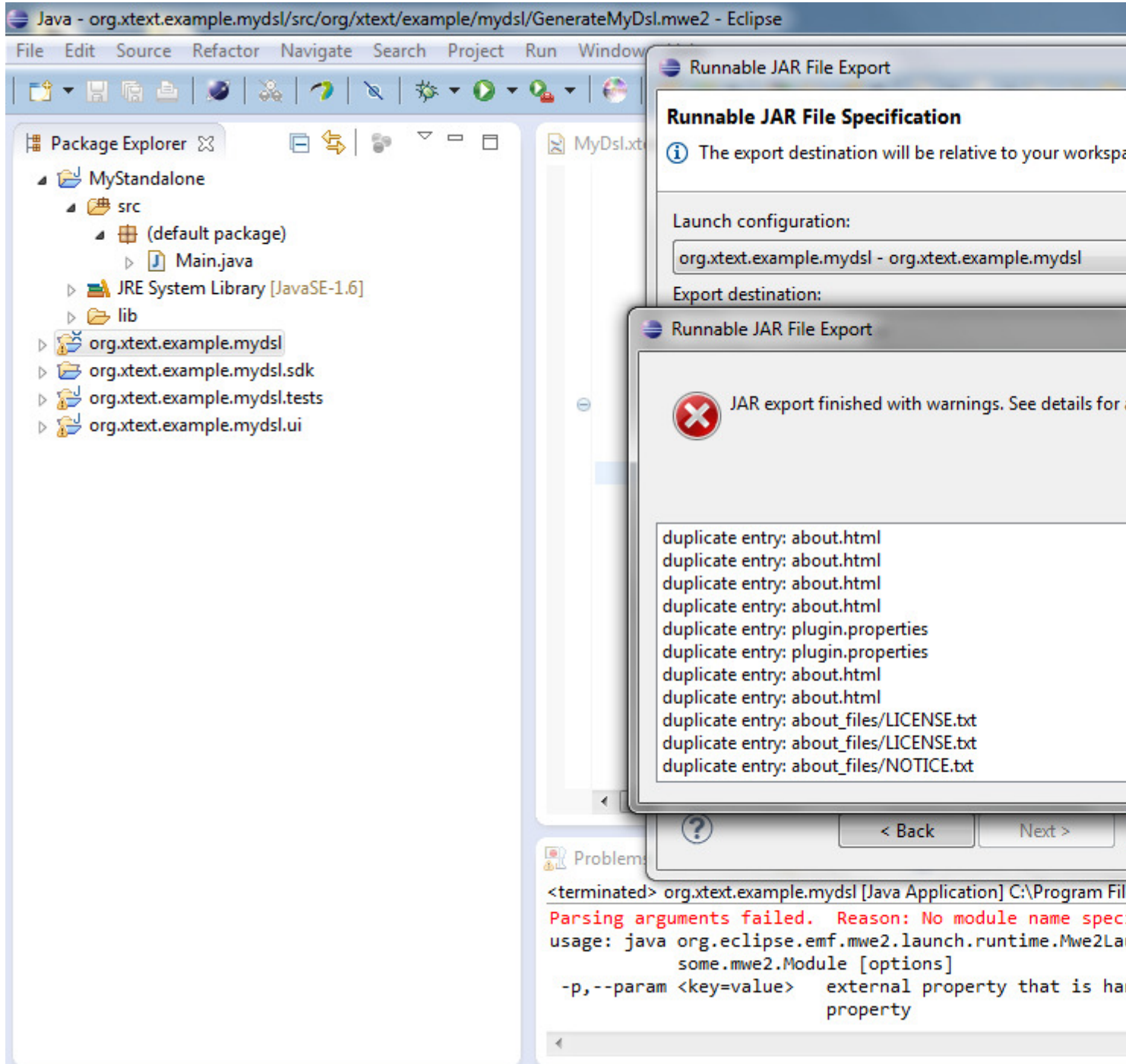
org.xtext.example.mydsl

Cattura2.png



org.xtext.example.mydsl

Cattura4.PNG



org.xtext.example.mydsl

Cattura5.PNG

Java - MyStandalone/src/Main.java - Eclipse

File Edit Source Refactor Navigate Search

Package Explorer

- MyStandalone
 - src
 - (default package)
 - Main.java
 - JRE System Library [JavaSE-1.6]
 - lib
 - org.xtext.example.mydsl
 - org.xtext.example.mydsl.sdk
 - org.xtext.example.mydsl.tests
 - org.xtext.example.mydsl.ui

Properties for MyStandalone

type filter text

- Resource
- ATL
- Builders
- Java Build Path
- Java Code Style
- Java Compiler
- Java Editor
- Javadoc Location
- OCL
- Papyrus
- Project References
- Run/Debug Settings
- Task Repository
- WikiText

Java Build Path

Source Projects Libraries

JARs and class folders on the build path:

- test.jar - MyStandalone/lib
- JRE System Library [JavaSE-1.6]

Problems Javadoc Declaration Console

```
<terminated> org.xtext.example.mydsl [Java Application] C:\Program Files\Java\jdk-1.6.0_25\bin\java.exe -Xms128m -Xmx1024m -Dorg.eclipse.emf.mwe2.launch.runtime.Mwe2Launcher.some.mwe2.Module [options]
Parsing arguments failed. Reason: No module name specified
usage: java org.eclipse.emf.mwe2.launch.runtime.Mwe2Launcher some.mwe2.Module [options]
-p,--param <key=value> external property that is handled by the property
```

MyStandalone